

PATENT ABSTRACTS OF JAPAN

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(54) METHOD FOR CALCINING HONEYCOMB STRUCTURAL BODY OF CERAMICS

(57)Abstract:

PURPOSE: To prevent cracking in the inside and end parts of a honeycomb structural body and to execute good calcination by increasing or decreasing the concn. of O₂ in a calcination atmosphere particularly in the temp. region where a molding assistant or pore increasing agent hardly burns or the temp. region where said assistant or agent burns.

CONSTITUTION: The molding assistant and/or pore increasing agent is added to the mixture composed of raw materials having prescribed grain sizes and the mixture is plasticized to form a deformable batch. This batch is molded by an extrusion molding method and the molding is dried to form the molding of the honeycomb structural body. While the temp. difference between the inside part and outside part of the molding is measured, the combustion of the molding assistant or the pore increasing agent is controlled by increasing or decreasing the concn. of the O₂ in the atmosphere and the molding is calcined. The honeycomb structural body of the ceramics which has no cracks in the inside and end parts and is not internally eroded, has the uniformized internal and external characteristics and is satisfactory calcined is thereby obt'd.

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